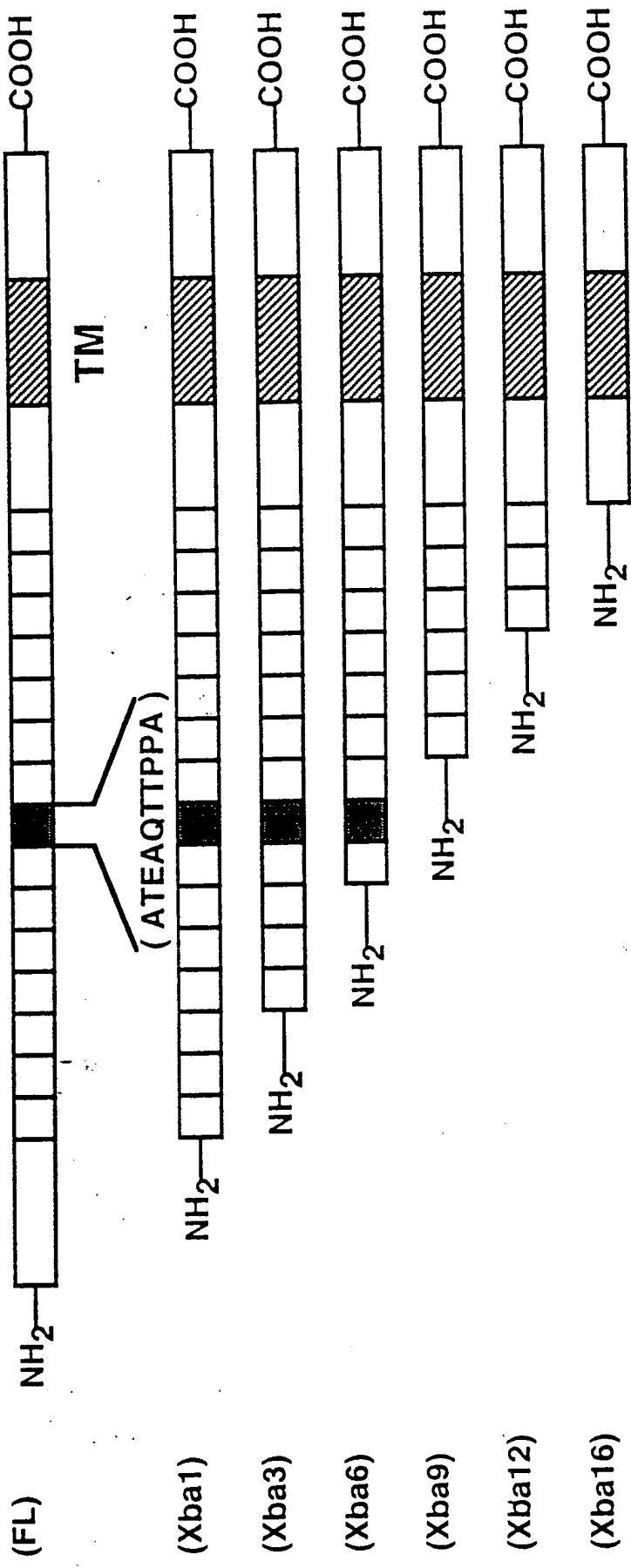


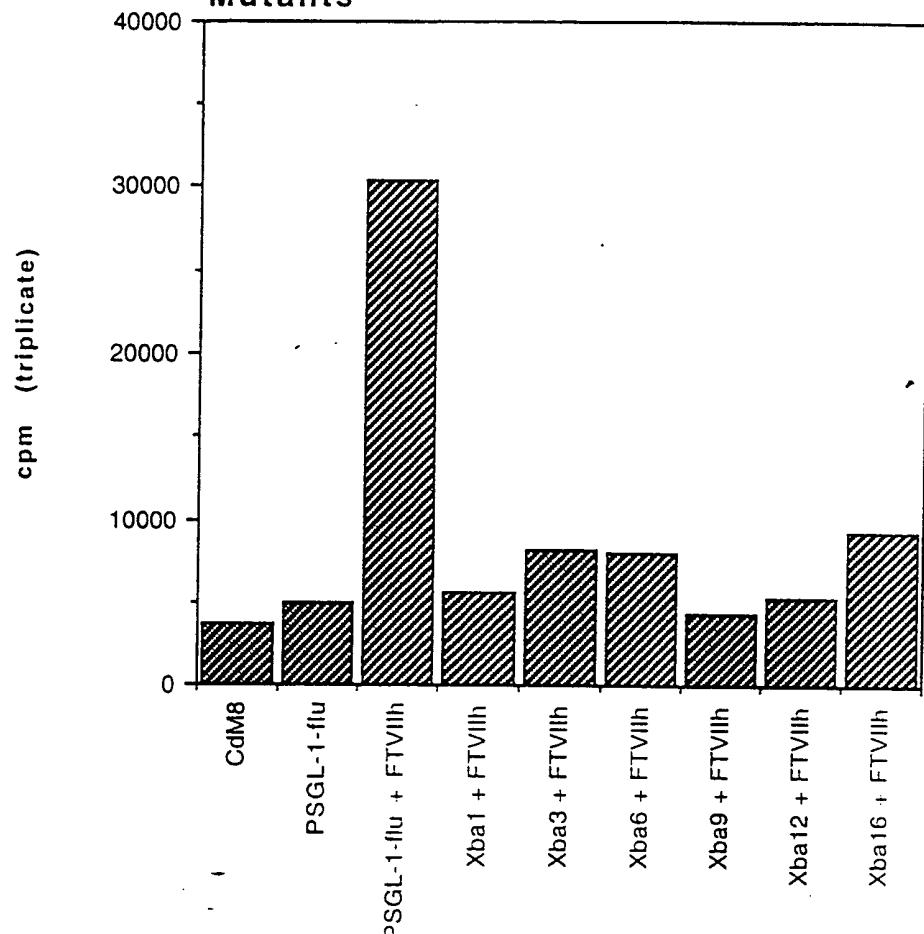
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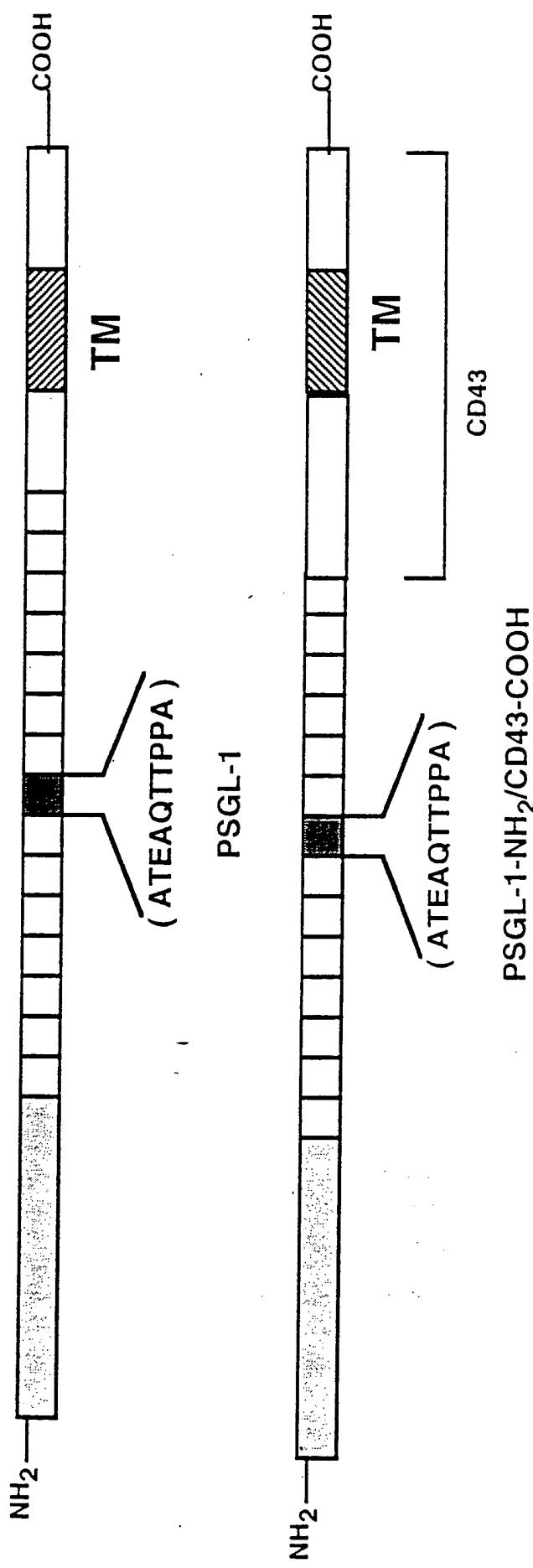
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FIG. 1B

P-Selectin Binding to COS M6 Cells
Expressing PSGL-1-NH₂ Gross Deletion
Mutants



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FIG. 2B

P-Selectin Binding to COS Cells Expressing
Chimeric PSGL-1/CD43 Constructs

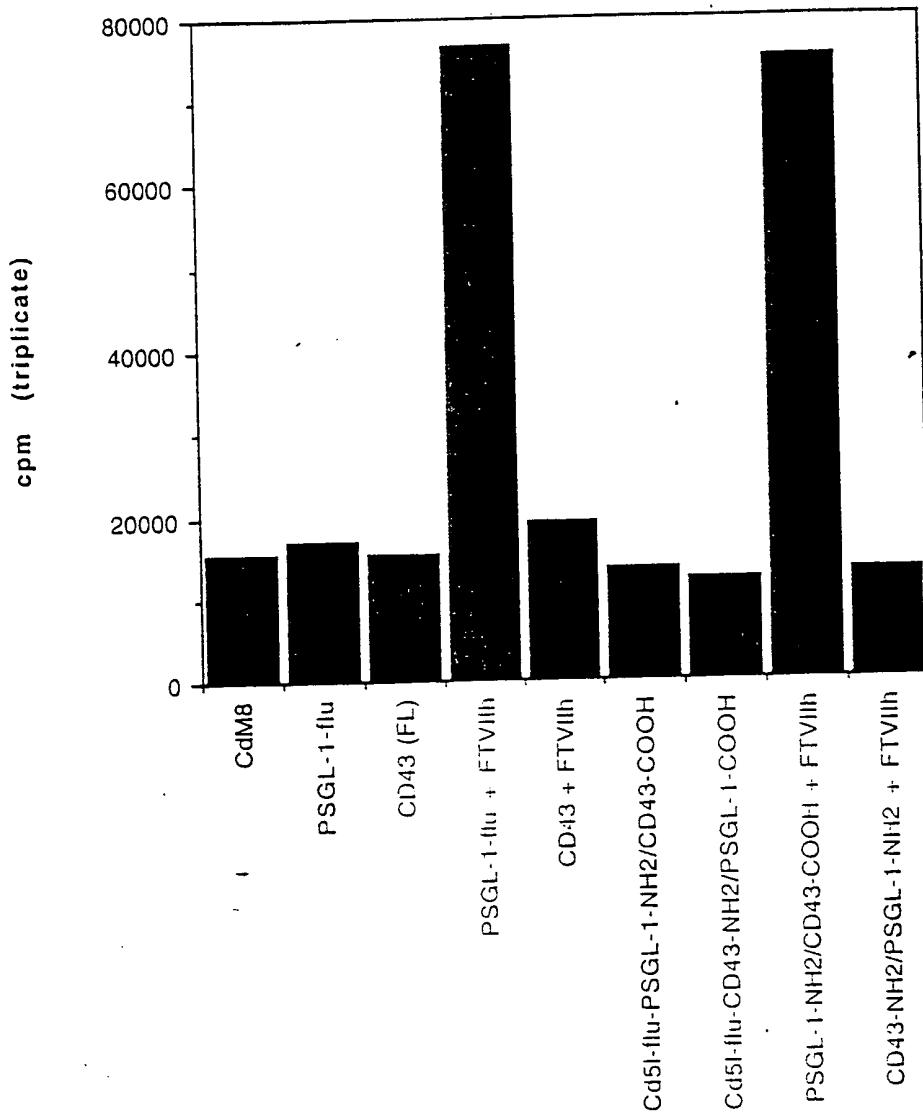
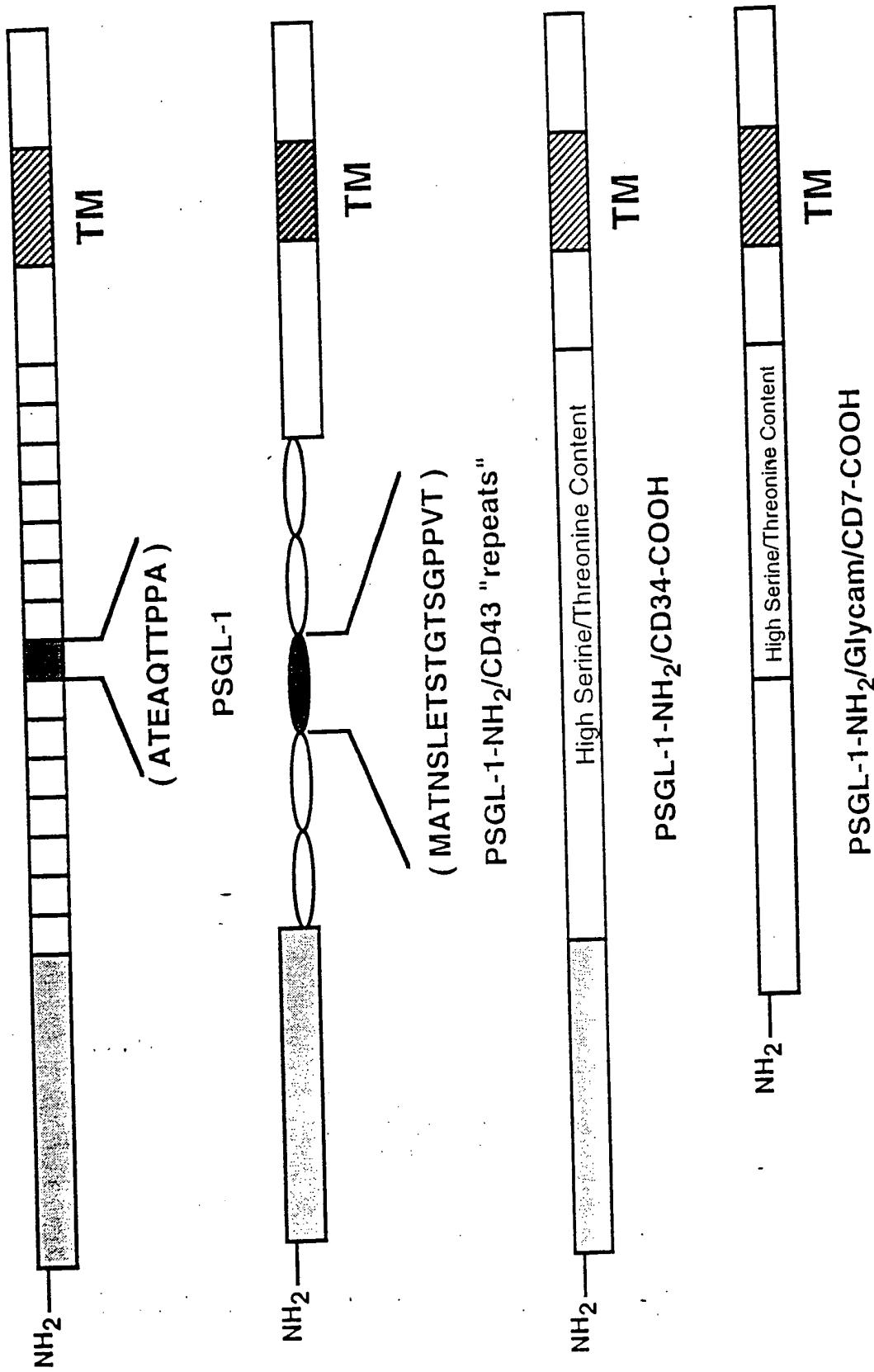


FIG. 3A

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FIG. 3B

P-Selectin Binding to COS M6 Cells
Expressing PSGL-1-NH2/Mucin Chimeric
Constructs

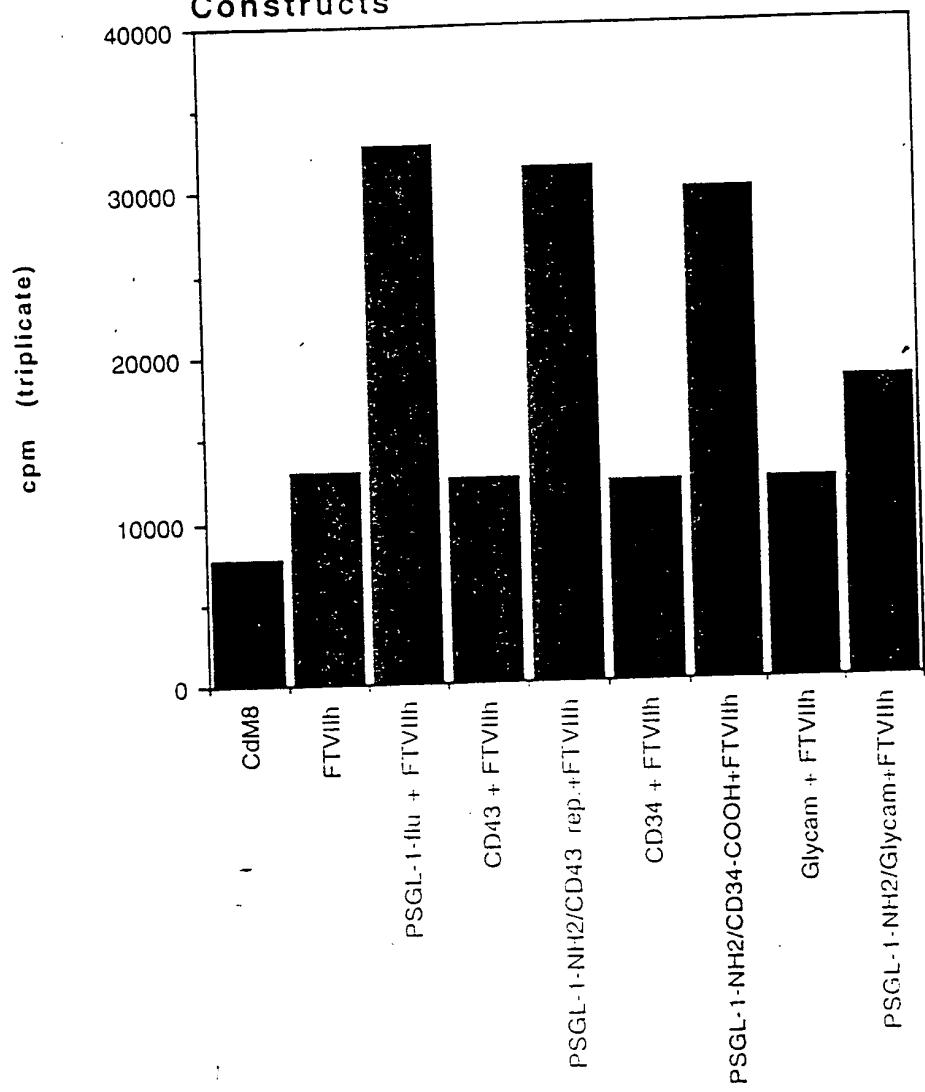
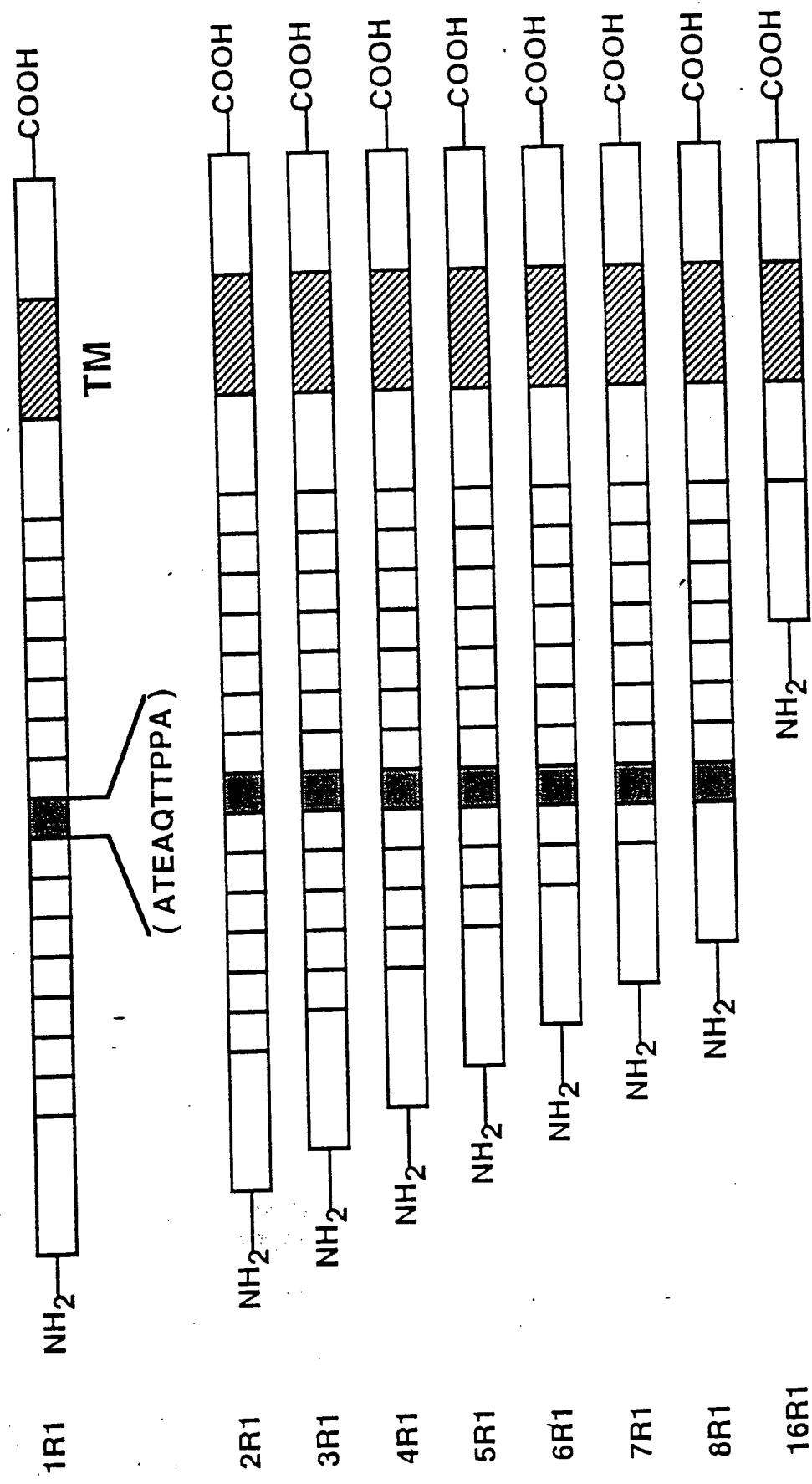


FIG. 4A

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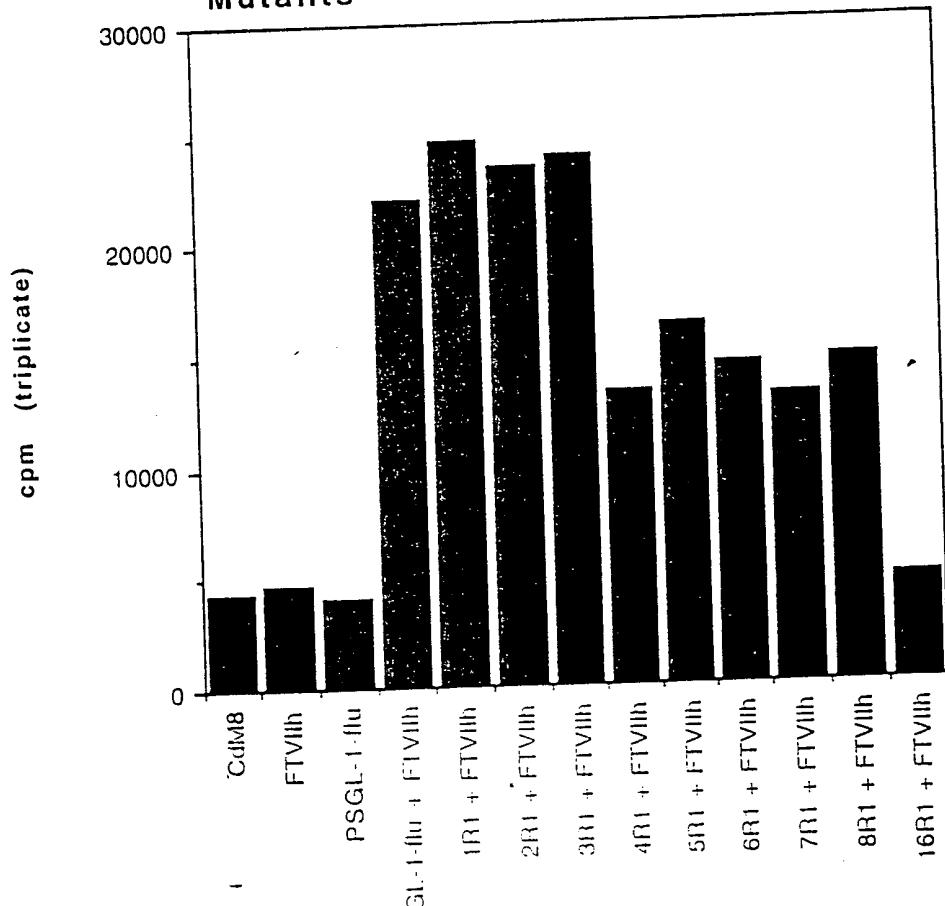
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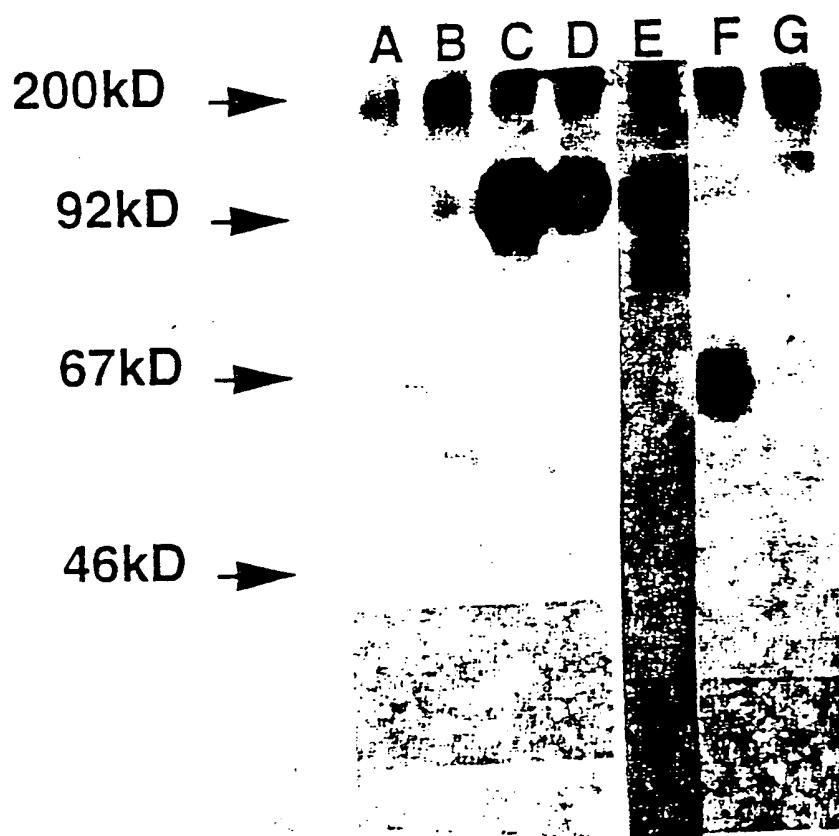
FIG. 48

P-Selectin Binding to COS M6 Cells
Expressing PSLG-1 Internal Deletion
Mutants



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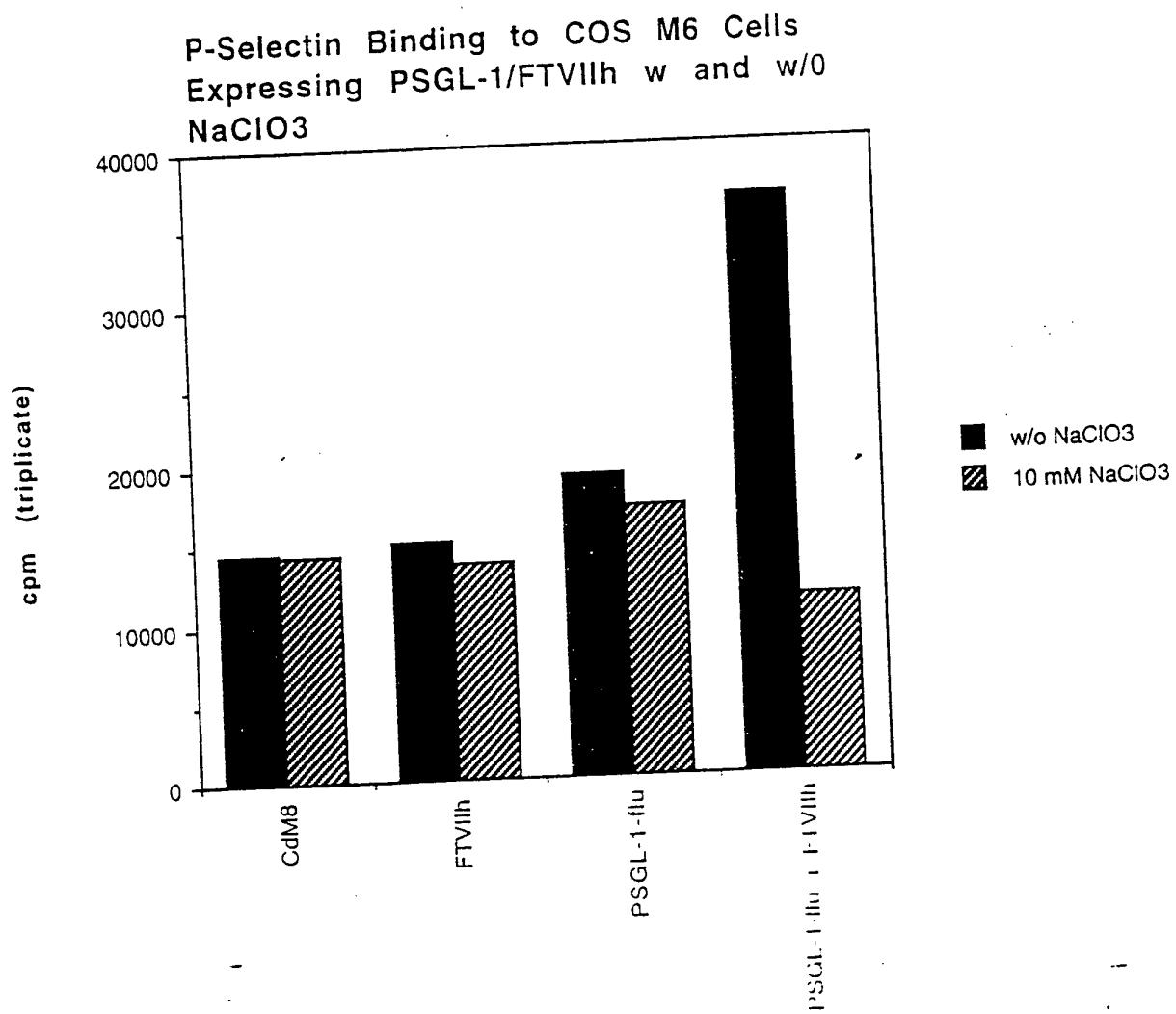
FIG. 5



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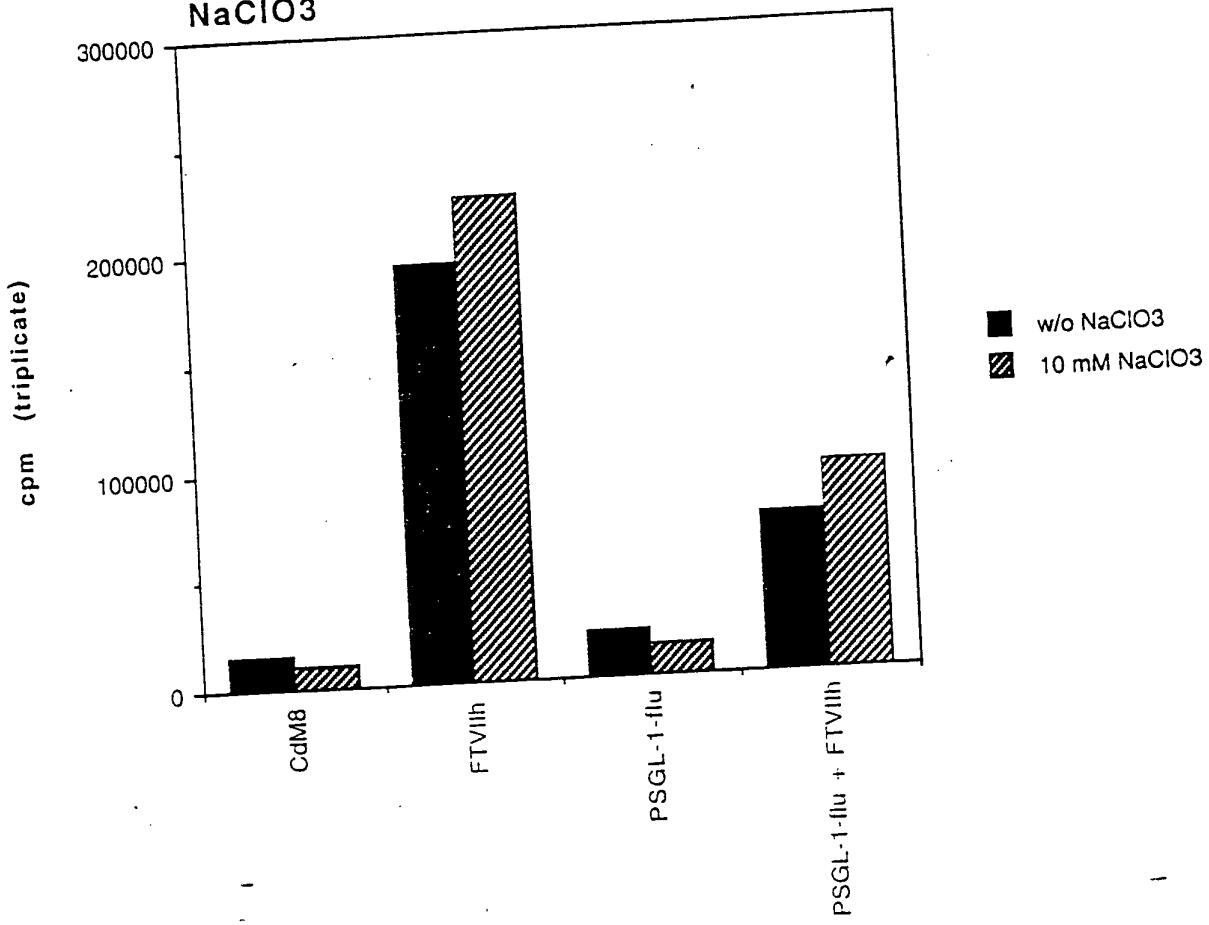
FIG. 6A



08/756018

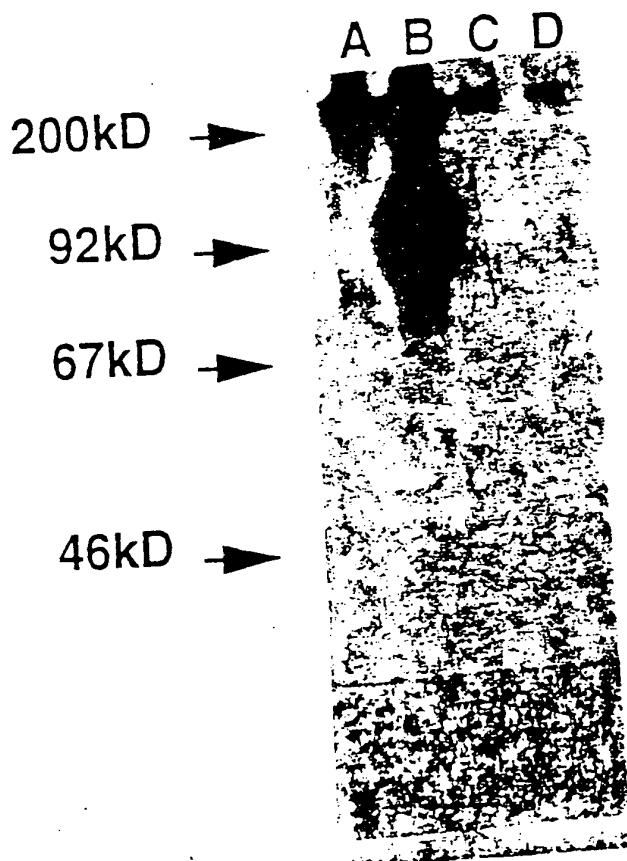
FIG. 6B

E-Selectin Binding to COS M6 Cells
Expressing PSGL-1/FTVIIh w and w/o
NaClO₃



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FIG. 7



58/736 C. 12

Q19

R38

Q19 QLWDTWADEAEKALGPLLARDRRQATEYEYLDYDFLPETEPP

E58

P78
PEMLRNSTDTPLTGPGTPE

P78

PEMLRNSTDTPLTGPGTPESTTVEPAARRSTGLDAGGAIE

A98

A10
LTTELANMGNLSTD
SA

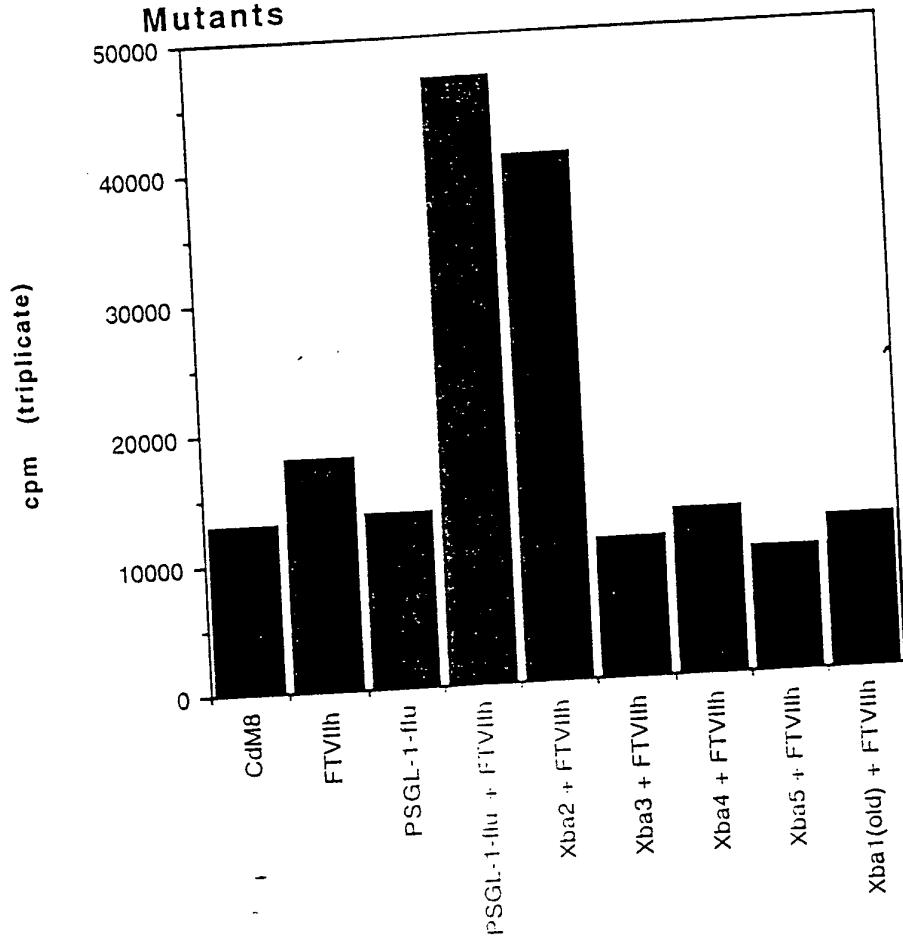
A108

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FIG. 8B

P-Selectin Binding to COS M6 Cells
Expressing PSGL-1-NH₂ Terminus Deletion
Mutants



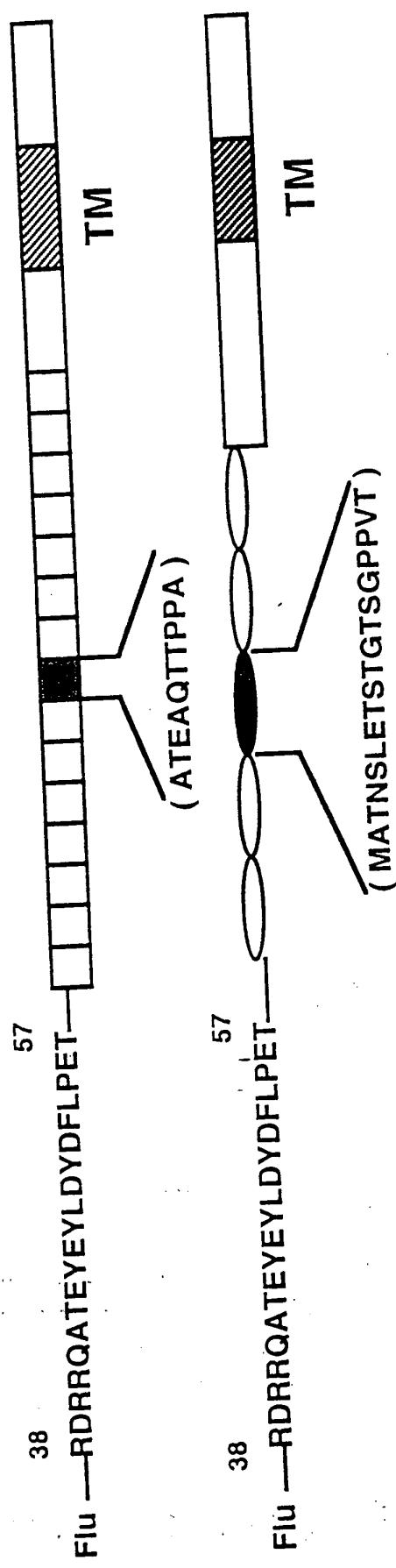
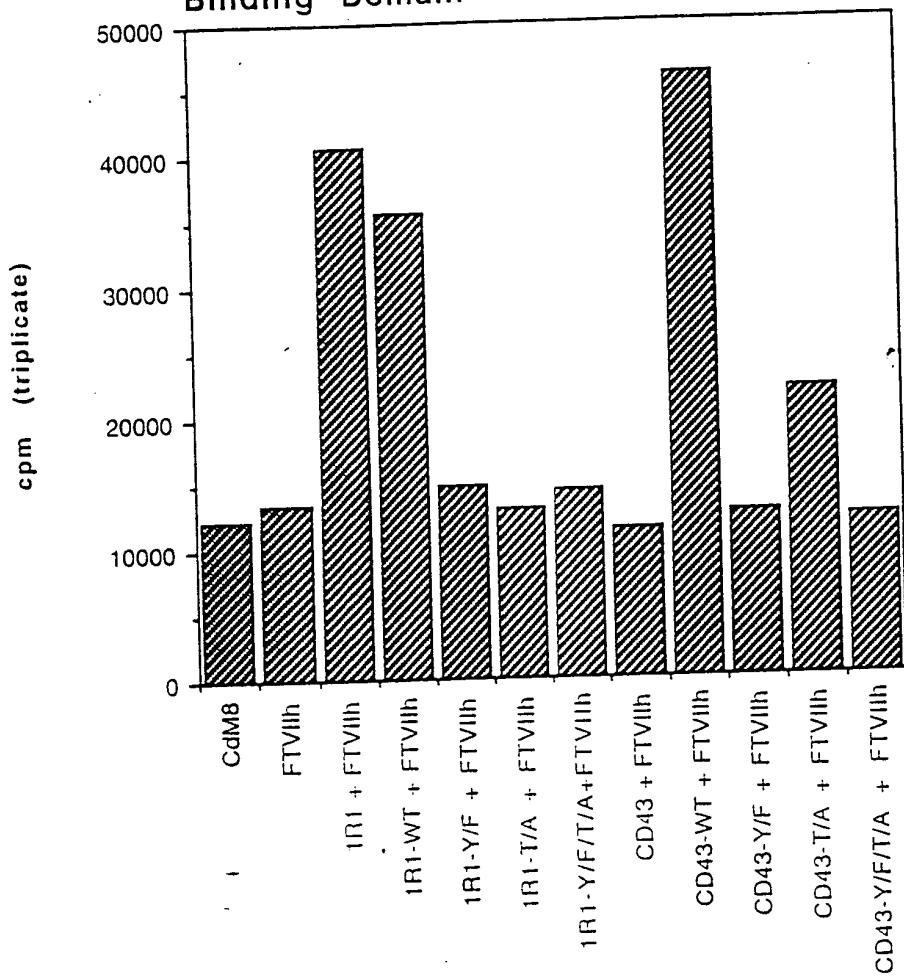


FIG. 9A

Construct	Binding	Expression (MFI)
FL-PSGL-1	+++	4.8
—RDRRQATEYEYLDYDFLPE—	1R1	4.5
—RDRRQATEFEFLDFDFLPE—	1R1-WT	4.5
—RDRRQATEFEFLDFDFLPE—	1R1-Y/F	4.5
—RDRRQAAEYEYLDYDFLPEA—	1R1-T/A	5.8
—RDRRQAAEFEFLDFDFLPEA—	1R1-Y/F/T/A	4.3
	—	3.1
CD43	CD43-WT	3.0
—RDRRQATEFEFLDFDFLPE—	CD43-Y/F	3.7
—RDRRQATEFEFLDFDFLPE—	CD43-T/A	3.3
—RDRRQAAEYEYLDYDFLPEA—	CD43-Y/F/T/A	
—RDRRQAAEFEFLDFDFLPEA—	CD43	

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P-Selectin Binding to COS M6 Cells
 Expressing Wild-Type and Mutant 20 aa
 Binding Domain



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FIG. 10

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111 AAGCTTACCAACCATGGACTGGACCTGGAGGTTCCTCTTCTTGTGGTGGCAACGAACTACA
120 TTGCGAAATGGTGGTACCTGGACCTGGACCTGGAGGAGAAACACCCACCCCTGGATAT
K L T T M D H T W R F L F F V V A A A R

111 AGTGTCCAGTCCCAGTGGGGCTGGAGCTGGAGCTGGAGGTGAAGAAAGGGCTGGAGC
120 GACAGGGTCAGGGTCCACCTGGACCCACGGTCAGACCCGACTCCACCTTCTGGACCCAGG
G V Q S Q V D V Q S G A E V K K P G S

121 TCGGTGAAGGTCTCTGGAGGCTTCTGGAGGCACCTTCAGCAGCTATGGTATGAGCTGG
130 AGCCACTTCCAGAGGACCTTCCGAAAGACCTCCGTCGAAGTCCTCGATACCGATAGTCCACC
A V K V S C P A S G G G T F S S K A T , W

131 TGGCGACAGGGCCCTGGACAAAGGCTTGAGTGGATGGGAAGGGATCATCCCTATCTTGGT
140 CACCCCTGTCGGGGACCTTCTCCGAACTCACCTACCCCTCCCTACTAGGGATAGAAACCA
V R Q A P D Q G L E W M G S C C P C F G

141 ACAGGAAACCTACGGAAAGGTTGGAGGGAGAGTCACCGATTAACCCGGAAAGGAAATGGG
150 TGTCTTTGATGGCTTCTGGAGGTCGGCTCTGAGTCATGGGAAATGGGAACTGGATGG
A C T A H Y A L F V Q G R V T C T A D S C T

CH F BS
CG H ADE H MD BSA BD

EXH

08/756018-1002092

101 AGCACAGGCTACATGAGCTTACGGAGAGCTTACGGACACGGGCTTATTTCTT
140 TCGTGTGCGATGATCTTACGTTCTGAGCTTACGCTGCTTACGGGACAAATGAGA

181 CCGAGAGATAATGGAGCCTATTGTAGTGGTGGTAGCTCTACTCGGGCTGGTTGGACGGG
120 CGCTCTCTTATTAACCTCCATAACATCACCAACCGATGAGCCCGACCAAGCTGGG

A R D N G A Y C S G G S C Y C G S W F D P -

421 TGGGGCCAGGGAAACCCCTGGTACCCCTCTTCAAGCTGAGTCTACTGAAATTCTAGCTTTCTG
460 ACCCCCCGGTCCCTTGGGACCCAGTCCCAGAGAAGTCCTACTCATGACTTAAGATCCAAAGACG

W G Q G T L V T V S S

481 CGCAGGCCAGGGCTAACCTTGGCTGGGAGGGAGGGAGCTTAAAGGTGAGGGAGTTGG
520 CGTCCCCGGTCCGGACTGGAAACCCAAACCCGGTCCCTCCCCGATTTGGACTCGGGTCCACCG

541 CCCAGCAGGTGCACACCCAAATGCCCATGAGCCAGACACTGGACCTGAAACCCGG
580 CGGTGGTCCACGTGTGGTTACGGGACTCGGGTCTCTGACCTGGACTTGGAGGGCCCG

601 AGTTAAGAACCCAGGGGGCTCTGGGGCTGGGGGGAGCTCTCTCCACACCCGGTCACT
640 TCAATTCTGGGTCCCGGGAGACCCGGAGGGGTGAGACAGGGGTGGGGGGAGTATA

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ANSWERING THE CALL TO LEARN: A STUDY OF THE INFLUENCE OF LEARNER MOTIVATION ON LEARNING OUTCOMES

721 TCCAAGAGCACCTCTGGGGCACAGGGCCCTGGCTGGTCAAGGACTACTTCCCC
----- 730
AGGTTCTGGAGACCCCGCTATCCCCACCCGACCGACGTTCTGATGACCCG

11. *Aspergillus* (Aspergillus) *flavus* (L.) Link var. *flavus* (L.) Link

781 GAACCCGCTGACCGTGTCCTCGAACTCAGGGGCCCTGACCCAGGGGGTGCACACCTTCCCC
----- 440
CTTGGCCACTGCCACAGCACCTTAGTCCCGGGACTTGTCCCGGACCTGTTGGGAGCG

19. *U. S. Fish and Wildlife Service, Biological Report 82(12): 1-100.*

841 GCTGTCCCTACAGTCTCTAGGACTCTACTCCCTCAGCAGCGTGGTACCCGTGCCGTCAGC

850 CGACAGGATGTCAGGAGTCTCTAGATGAGGAGTCCTGCCACCCACTGACACCGGAGTCG

¹⁰ See, for example, the discussion of the 'right to be forgotten' in the European Union's General Data Protection Regulation (GDPR), Article 17(1).

901 AGCTTGGGCACCCAGACCTACATCTCAACGTGAATCACAAGGCCAGCAACACCAGGGT
----- 960
TCGAACCCGCTGGGTCTGGATCTAGACGTTGCACTTAGTGTTCGGGTCCCTGCGTTGAC

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1021 AGCCCTCCCTCCCTGGACCCATCCCCCTATGCAGCCCCAGTCCAGGGCAGCAAGGCAGGC

TCGGGAGGGACGGACCTCCCTAGGGCCCCATACGTCGGGTCAGGTCCCCTCGTCCCTCC 1080

1081 CCCGTCTGCCCTTTCACCCCCGAGCCTCTGCCCGCCCCACTCATGCTCAGGGAGAGGGTCT

GGGCAGACGGAGAAGTGCCCCCTCGAGACGGGGGGGTGAGTACGAGTCCCCTCTCCCAGA 1140

1141 ACTGGCTTTTCCCAGGCTCTGGCAGGCACAGGCTAGGTGCCCTAACCCAGGCCCTCC

AGACCGAAAAAGGGTCCAGACCCGTCCTGTCCCATCCACGGGATTGGTCCCGGACG 1200

1201 ACACAAAGGGGCAGGTGCTGGCTCAGACCTGCCAAGAGCCATATCCGGAGGACCTGC

TGTGTTCCCCCTCCACGACCCGAGTCTGGACGGTTCTGGTATAGGCCCTCCTGGACG 1260

1261 CCCTGACCTAACCCACCCAAAGGCCAAACTCTCCACTCCCTCAGCTCCACACCTTCT

GGGACTGGATTGGGTGGGTTTCCGGTTGAGAGGTGAGGGAGTCGAGCCTGTGGAAGA 1320

1321 CTCCCTCCAGATTCCAGTAACCTCCAAATCTTCTCTGGAGAGCCAAATCTTGTGACAA

GAGGAGGGTCTAAGGTCAATTGAGGGTTAGAAGAGAGACGTCTGGGTTAGAACACTGTT 1380

E P K S C D K -

1381 AACTCACACATGCCAACCTGCCAGGTAAAGCCAGCCAGGCCTGCCCTCCAGCTCAAG

TTGAGTGTGTACGGGTGGCACGGTCCATTGGTCGGTCCGGAGCGGGAGGTGAGTTC 1440

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1441 GCGGGACAGGTGCCCTAGAGTAGGCTCATCCAGGGACAGGCCCCAGCCCCGGTGCCTCA
----- 1500
CGCCCTGTCCACCGGATCTCATCCGACGCTAGGTCCCTCTCCGGGGTCCGGCCACGGACTCT

A P E L L G G P S V E I T

1521 TGGTGGACGTGAGCCACGAAAGACCCCTGAGGTCAAGTTCAACTGGTACGTGACGGCGTGG

1580 ACCACACCTGGACTCCGGTCTTCTGGACTCCAGTTCAAGTTGACCATGGCACCTGCCCCACG

1581 AGGTGCATAATGCCAAGACAAAGCCCGGGAGGAGCAGTACAACAGCACGTACCGGGTGG

1740 TCCACGTATTACCGTTCTCTTCCGGGCCCTCTCTCTGTCTGTTCTGCTGCCATGGCCCAACC

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FIG. 10

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1741 TCAGCGTCCCTACCGCTCTGCACCAAGGACTCGCTGAATGCCAAGGAGTACAAGTCCAGG
----- 1800
AGTCCCAGGAGTGGCACCGACGTGGCTCCTGACCCACTTACCGTTCTCATGTTACCGTTCC

C S V L T V L H Q D W L N G K S Y K C K V -
318 320 322

1801 TCTCCAAACAAAGCCCTCCAGCCCCATCGAGAAAACCATCTCCAAAGCCAAAGGTGGGA
----- 1860
AGAGGTTGTTGGGAGGGTGGGGTAGCTCTTTGGTAGAGGTTGGTTCCACCCCT

C S N K A L P A P E E K T I S K A K N
331 333 335 337

1861 CCCGTGGGGTCCGAGGGCCACATGGACAGAGGGCCGGCTGGCCCACCCCTCTGCCCTGAGA
----- 1920
GGGCACCCCACGGCTCCCGGTGTACCTGTCTCCGGCCAGCCGGTGGGAGACGGGACTCT

1921 GTGACCGCTGTACCAACCTCTCTCTACAGGGCAGCCCCGAGAACCAACAGGTGTACACCC
----- 1980
CACTGGCGACATGGTGGAGACAGCATGTCCCGTCCGGCTCTGGTGTCCACATGTGGG

C - G Q P R E P Q V Y T L -

1981 TCCCCCCTCCCGGATGAGCTGACCAAGAACCGGTAGCCTGACCTCCCTGGTCAG
----- 2040
ACGGGGGTAGGGCCCTACTCGACTGGTCTGGTCCAGTCGGACTGGACGGACCAGTTT

C P P S R D E L T K H Q V S L T C L V K G -

2041 GCTTCTATCCCAGCGACATGCCCTGGAGTGGGAGAGCAATGGCAGCCCCGAGAACACT
----- 2100

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CGAAGATAGGTCCTCTAGCCACCTCACCCCTCTCTTACCCCTGGCCCTCTGCTCA

C F Y P S O I A V E W E S N G Q P E N N Y -

ACAAGACCACGCCCTCCCTCTGGACTCCCACGGCTCCCTTCTACAGCAAGCTCA

2101 ----- 2160
TGTTCTCGTCCGGAGGGCACGACCTGAGGCTCCCCAGGAAGAAGGAGATCTCTTCCAGT

C K T T P P V L O S O G S F F L Y S K L T -

CCGTGGACAAGAGCAGGTGGCAGCAGGGAACGTCTTCTATGCTCCGTATGCATGAGG

2161 ----- 2220
GGCACCTCTCTCGTCCACCGTCCTCCCTTCCAGAAGAGTACCGAGGCACTACGTACTCC

C V D K S R W Q Q G N V E S C, S V M H E A -

CTCTGCACAAACCACTACACGCAGAAGAGCCTCTCCCTGTCCTCCGGTAAATGAGTGGCAC

2221 ----- 2280
GAGACGTGTTGGTATCTCCGTCTTCTCCGAGAGGGACAGAGGCCATTACTCACCGCTG

C L H N H Y T Q K S L S L S P G K *

2281 -----
- GGCGGGC

CCGGCCG

1 ATGGCGCTGT CCTGGGTTCT TACAGTCCTG AGCCTCCTAC CTCTGCTGGA
51 AGCCCCAGATC CCATTGTGTG CCAACCTAGT ACCGGTGCCC ATCACCAACG
101 CCACCCCTGGA CCAGATCACT GGCAAGTGGT TTTATATCGC ATCGGCCTTT
151 CGAAACGAGG AGTACAATAA GTCGGTTCAAG GAGATCCAAG .CAACCTTCTT
201 TTACTTCACC CCCAACAAAGA CAGAGGACAC GATCTTCCTC AGAGAGTACC
251 AGACCCGACA GGACCAGTGC ATCTATAACA CCACCTACCT GAATGTCCAG
301 CGGGAAAATG GGACCATCTC CAGATACGTG GGAGGCCAAG AGCATTTCGC
351 TCACTTGCTG ATCCTCAGGG ACACCAAGAC CTACATGCTT GCTTTGACG
401 TGAACGATGA GAAGAACTGG GGGCTGTCTG TCTATGCTGA CAAGCCAGAG
451 ACGACCAAGG AGCAACTGGG AGAGTTCTAC GAAGCTCTCG ACTGCTTGC
501 CATTCCCAAG TCAGATGTG TGTACACCGA TTGGAAAAAG GATAAGTGTG
551 AGCCACTGGA GAAGCAGCAC GAGAAGGAGA GGAAACAGGA GGAGGGGGAA
601 TCGGATCCCCG AGGGTGAGTA CTAAGCTTCA GCGCTCCTGC CTGGACGCAT
651 CCCGGCTATG CAGCCCCAGT CCAGGGCAGC AAGGCAGGCC CCGTCTGCCT
701 CTTCACCCGG AGCCTCTGCC CGCCCCACTC ATGCTCAGGG AGAGGGTCTT
751 CTGGCTTTT CCCAGGCTCT GGGCAGGCAC AGGCTAGGTG CCCCTAACCC
801 AGGCCCTGCA CACAAAGGGG CAGGTGCTGG GCTCAGACCT GCCAAGAGCC
851 ATATCCGGGA GGACCCCTGCC CCTGACCTAA GCCCACCCCA AAGGCCAAAC
901 TCTCCACTCC CTCAGCTCGG ACACCTTCTC TCCTCCCAGA TTCCAGTAAC
951 TCCCAATCTT CTCTCTGCAG AGCCCCAAATC TTGTGACAAA ACTCACACAT
1001 GCCCACCCTG TG CCCAGGTAAG CCAGCCCAGG CCTCGCCCTC CAGCTCAAGG
1051 CGGGACAGGT GCCCTAGAGT AGCCTGCATC CAGGGACAGG CCCCAGCCGG
1101 GTGCTGACAC GTCCACCTCC ATCTCTCCT CAGCACCTGA ACTCCTGGGG
1151 GGACCGTCAG TCTTCCTCTT CCCCCCAAAA CCCAAGGACA CCCTCATGAT

1201 CTCCCCGACC GAGGTCA CATGCGTGGT GGTGC STG AGCCACGAAG
1251 ACCCTGAGGT CAAGTTCAAC TGGTACGTGG ACGGCGTGG A GTGCATAAT
1301 GCCAAGACAA AGCCGCGGGA GGAGCAGTAC AACAGCACGT ACCGGGTGGT
1351 CAGCGTCCTC ACCGTCTGC ACCAGGACTG GCTGAATGGC AAGGAGTACA
1401 AGTGCAAGGT CTCCAACAAA GCCCTCCCAG CCCCCATCGA GAAAACCATC
1451 TCCAAAGCCA AAGGTGGGAC CCGTGGGGTG CGAGGGCCAC ATGGACAGAG
1501 GCCGGCTCGG CCCACCCCTCT GCCCTGAGAG TGACCGCTGT ACCAACCTCT
1551 GTCCTACAGG GCAGCCCCGA GAACCACAGG TGTACACCCT GCCCCATCC
1601 CGGGATGAGC TGACCAAGAA CCAGGTCAAGC CTGACCTGCC TGGTCAAAGG
1651 CTTCTATCCC AGCGACATCG CCGTGGAGTG GGAGAGCAAT GGGCAGCCGG
1701 AGAACAACTA CAAGACCACG CCTCCCGTGC TGGACTCCGA CGGCTCCTTC
1751 TTCCTCTACA GCAAGCTCAC CGTGGACAAG AGCAGGTGGC AGCAGGGAA
1801 CGTCTTCTCA TGCTCCGTGA TGCATGAGGC TCTGCACAAAC CACTACACGC
1851 AGAAGAGCCT CTCCCTGTCT CCGGGTAAAT GAGTGCACG GCCG

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FIG. 11 B

1 M ALSWVLTVL SLLPLLEAQI PLCANLVPVP ITNATLDQIT GKWFYIASAF
51 RNEEYNKSVQ EIQATFFYFT PNKTEDTIFL REYQTRQDQC IYNTTYLNVQ
101 RENGTISRYV GGQEHHFAHLL ILRDTKTYML AFDVNDEKNW GLSVYADKPE
151 TTKEQLGEFY EALDCLRIPK SDVYTDWKK DKCEPLEKQH EKERKQEEGE
201 SDPEGEPKSC DKTHTCPPCP APELLGGPSV FLFPPKPKDT LMISRTPEVT
251 CVVVDVSHED PEVKFNWYVD GVEVHNAKTK PREEQYNSTY RVVSVLTVLH
301 QDWLNGKEYK CKVSNKALPA PIEKTISKAK GQPREPQVYT LPPSRDELTK
351 NQVSLTCLVK GFYPSDIAVE WESNGQPENN YKTPPVLDs DGSFFLYSKL
401 TVDKSRWQQG NVFSCSVMHE ALHNHYTQKS LSLSPGK*

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Construct

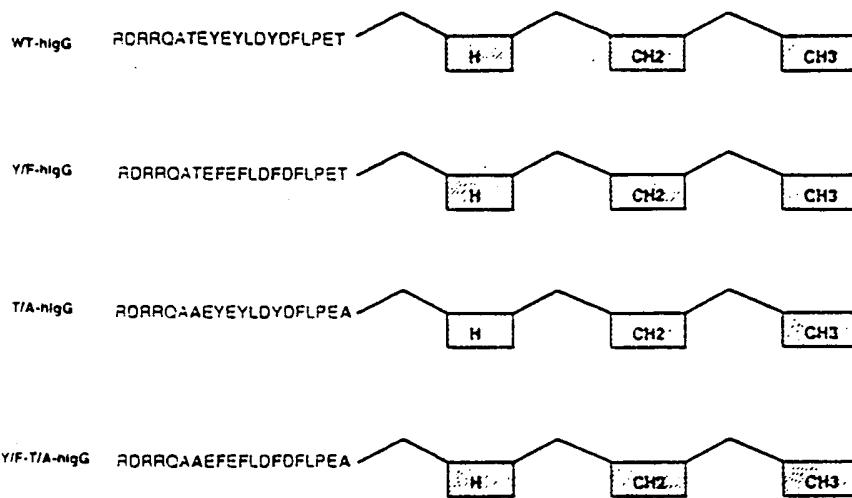


FIG. 12A

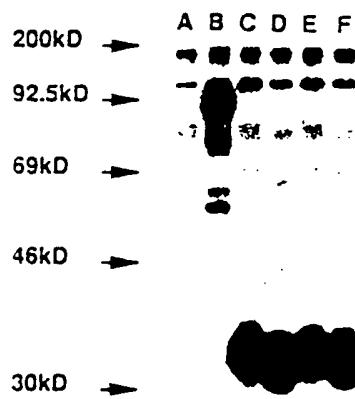


FIG. 12B

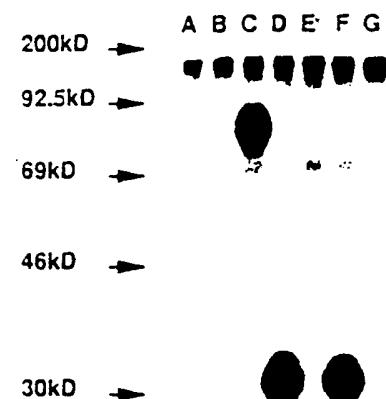


FIG. 12C

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260220081059280

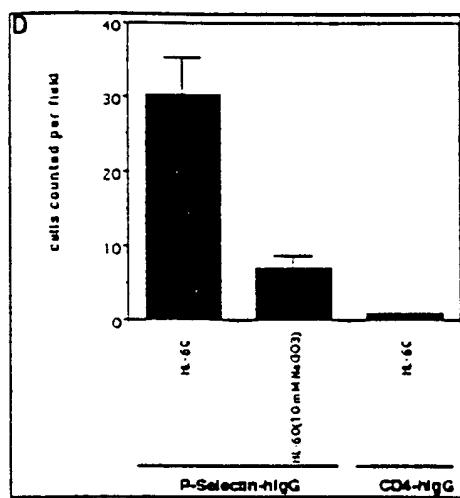


FIG. 13

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Flu - TGDYYEDSYEDIS

Factor VIII

三

三

Edu — EGYEYDEL

4th Component of Human Complement

CDA3-41h

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The diagram illustrates the Human Complement System. At the top, a box labeled "4th Component of Human Complement" is connected by a horizontal arrow to a vertical line labeled "C4". This vertical line then branches into two paths: one leading to the "EDDVEDELp" label and another leading to the "C4BP" label. The "C4BP" path is labeled "ALTERNATIVE PATHWAY" (AP) in parentheses. The "EDDVEDELp" path is labeled "CLASSICAL PATHWAY" (CP) in parentheses.

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The diagram illustrates the genome of the Flu virus. It features a long, single-stranded RNA molecule with a 5' cap (represented by a triangle) and a 3' poly-A tail (represented by a horizontal line with a tail). The genome is annotated with two genes: Factor VIII, located in the 5' region, and TM, located in the 3' region. The TM gene is flanked by two long, hairpin-shaped RNA structures, likely representing terminal repeats. The entire genome is enclosed in a rectangular frame.

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FIG. 14

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**P-Selectin Binding to COS M6 Cells
Expressing Artificial Chimeric Proteins**

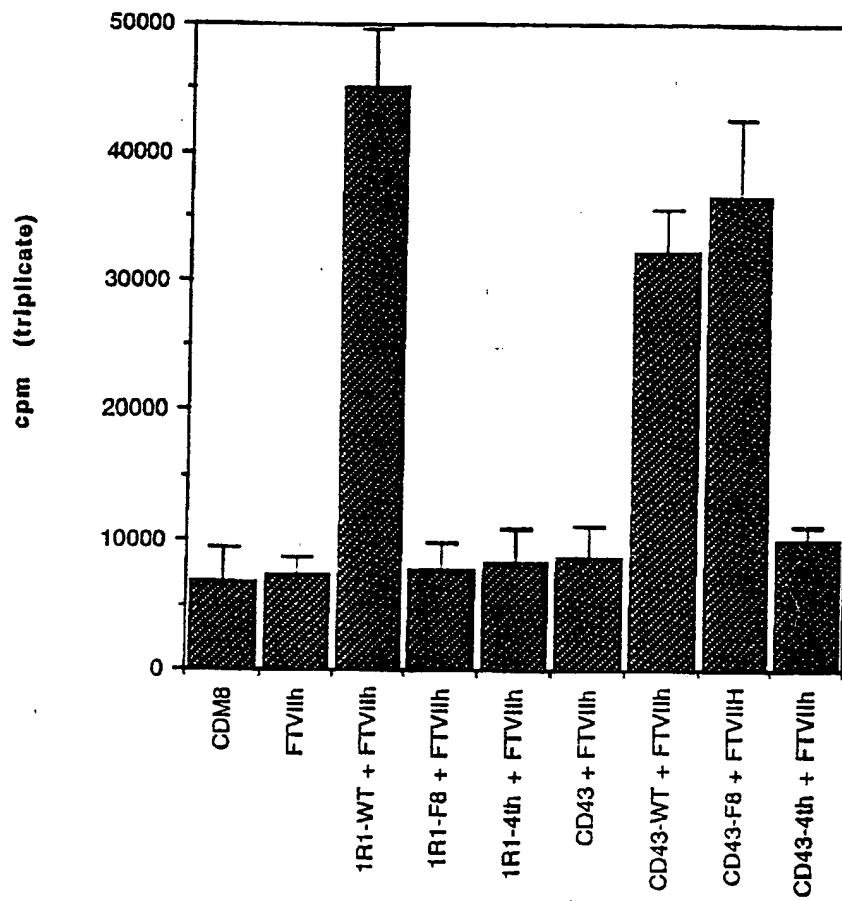


FIG. 15